

Application No. 10/804,632
Reply to Office Action of October 28, 2004

Amendments to the Specification

Please amend the abstract of the disclosure to read as follows (a clean copy of the Abstract on a separate page is attached):

ABSTRACT OF THE DISCLOSURE

An electric floor heating system, comprising includes an electric floor heating panel and a floor heating material formed by laminating integrally an upper material with a thickness of (d), a heat diffusing material with a thickness of (t), and a lower material, wherein the upper material thickness (d) and the heat diffusing material thickness (t) are set to fulfill relational expression (I):

$$t \geq a \times d^2 + b \quad (I)$$

(d: 0.01 to 12 mm, t: 30 to 1,000 μm)

into which coefficients a and b predetermined by the maximum value (p2) of the maximum power are introduced, thereby accomplishing a comfortable heating environment without causing low temperature burn.